Surface Science 254 (1991) 354–358
North-Holland

Author index

Aastuen, D.J.W., see Li — 254 (1991) 201
Adams, G.B., see Oden — 254 (1991) L454
Aizawa, T., see Itoh — 254 (1991) L437
Anderson, A.B., see Yu — 254 (1991) 320
Aseev, A.L., see Latyshev — 254 (1991) 90
Atrei, A., A.L. Johnson and D.A. King, Sulphur adsorption on Cu{110}: a SEX-AFS study — 254 (1991) 65
Ayyala, U.S., see Li — 254 (1991) 201

Baba, T., see Susuki — 254 (1991) 97
Balkenende, A.R., see Wiegel — 254 (1991) L428
Bomchil, G., see Bsiesy — 254 (1991) 195
Bornemann, T., H.-P. Steinrück, W. Huber, K. Eberle, M. Glanz and D. Menzel, The adsorption of H_2O on K precovered Ni(111) studied by ARUPS and TPD — 254 (1991) 105
Brenig, W., see Kratzer — 254 (1991) 275
Brongersma, H.H., see Van Leerdam — 254 (1991) 153
Bsiesy, A., J.C. Vial, F. Gaspard, R. Herino, M. Ligeon, F. Muller, R. Romestain, A. Wasiela, A. Halimaoui and G. Bomchil, Photoluminescence of high porosity and of electrochemically oxidized porous silicon layers — 254 (1991) 195

Christmann, K., see Over — 254 (1991) L469

DePristo, A.E., see Sanders — 254 (1991) 341
Ditlevsen, P.D. and J.K. Nørskov, Vibrational properties of aluminum, nickel and copper surfaces — 254 (1991) 261
Doghmane, N., see Rosenberg — 254 (1991) 289
Dormoy, R., see Gonbeau — 254 (1991) 81
Dose, V., see Glatzel — 254 (1991) 58
Dowben, P.A., H.-J. Ruppender and M. Grunze, Molecular nitrogen adsorption on Cr(110) — 254 (1991) L482
Du Plessis, J., see Van Wyk — 254 (1991) 73

Eberle, K., see Bornemann — 254 (1991) 105
Erley, W., see Vannice — 254 (1991) 1
Erley, W., see Vannice — 254 (1991) 12
Ernst, K.-H., see Over — 254 (1991) L469
Ertl, G., see Over — 254 (1991) L469

Fauster, Th., see Glatzel — 254 (1991) 58
Fortner, J. and J.S. Lannin, Chemisorption effects on the dynamics of Ge clusters and ultrathin films — 254 (1991) 251
Fukui, S., see Susuki — 254 (1991) 97

Gaspard, F., see Bsiesy — 254 (1991) 195

Elsevier Science Publishers B.V. (North-Holland)

Gijzeman, O.L.J., see Wiegel 254 (1991) L428
Glanz, M., see Bornemann 254 (1991) 105
Glatzel, H., Th. Fauster, B.M.U. Scherzer and V. Dose, Bilayer growth in a metallic system: Fe on Cu(100) 254 (1991) 58
Glezos, N.M. and A.G. Nassiopoulos, Lateral resolution of Auger electron spectroscopy in the energy range 5–100 keV. Thin overlayers on a high-Z material substrate 254 (1991) 309
Gonbeau, D., C. Guimon, G. Pfister-Guillouzo, A. Levasseur, G. Meunier and R. Dormoy, XPS study of thin films of titanium oxysulfides 254 (1991) 81
Grenet, G., see Holmberg 254 (1991) L475
Grunze, M., see Dowben 254 (1991) L482
Guimon, C., see Gonbeau 254 (1991) 81

Habraken, F.H.P.M., see Wiegel 254 (1991) L428
Halimaoui, A., see Bsiesy 254 (1991) 195
Hansen, D.A. and J.B. Hudson, Oxygen scattering and initial chemisorption probability on Ge(100) 254 (1991) 222
He, Y.-L., J.-K. Zuo and G.-C. Wang, High resolution LEED studies of surface misorientation and incommensurate domain walls on reconstructed Pt(110) surface 254 (1991) 21
Heiland, W., see Hetterich 254 (1991) L487
Henle, W.A., M.G. Ramsey, F.P. Netzer and K. Horn, Formation of divalent Eu silicides at the Eu–Si(111) interface 254 (1991) 182
Herino, R., see Bsiesy 254 (1991) 195
Hetterich, W., U. Korte, G. Meyer-Ehmsen and W. Heiland, A contribution to the $(1 \times n)$ reconstructions of the Ir(110) surface 254 (1991) L487
Higuchi, S. and Y. Nakanishi, The growth of Ge on a Te/Si(001) surface: surface catalytic epitaxy 254 (1991) L465
Hoffmann-Millack, B., see Roberts 254 (1991) L448
Holmberg, S., H.C. Poon, Y. Jugnet, G. Grenet and Tran Minh Duc, X-ray photoelectron diffraction as a tool for clean surface crystallography studies: the Pt(110)(2×1) reconstruction 254 (1991) L475
Horn, K., see Henle 254 (1991) 182
Huber, W., see Bornemann 254 (1991) 105
Hudson, J.B., see Hansen 254 (1991) 222

Ibach, H., see Vannice 254 (1991) 1
Ibach, H., see Vannice 254 (1991) 12
Ichinokawa, T., see Itoh 254 (1991) L437
Ichinose, T., see Itoh 254 (1991) L437
Itoh, H., T. Ichinose, C. Oshima, T. Ichinokawa and T. Aizawa, Scanning tunneling microscopy of monolayer graphite epitaxially grown on a TiC(111) surface 254 (1991) L437

Jaegermann, W., see Mayer 254 (1991) L423
Jäger, I., Adsorption of pairwise interacting atoms: on the derivation of the interaction parameters between first and second neighbors from experimental data 254 (1991) 300
Johnson, A.L., see Atrei 254 (1991) 65
Jones, M.E., see Simonson 254 (1991) 29
Joyce, S.A., J.A. Yarmoff and T.E. Madey, Radiation damage in an adsorbed monolayer: PF_3 on Ru(0001) 254 (1991) 144
Jugnet, Y., see Holmberg 254 (1991) L475

Jung, T.M., R.J. Phaneuf and E.D. Williams, Step structure and surface reconstruction on vicinal Ge(111) surfaces 254 (1991) 235

Katayama, I., see Oura 254 (1991) L460
Keita, B. and L. Nadjo, High resolution scanning tunneling microscopy imaging of tungstophosphoric acid 254 (1991) L443
King, D.A., see Atrei 254 (1991) 65
Kinoshita, T., see Oura 254 (1991) L460
Kleinle, G., see Over 254 (1991) L469
Kobayashi, T., see Oura 254 (1991) L460
Koel, B.E., see Simonson 254 (1991) 29
Koel, B.E., see Overbury 254 (1991) 45
Koleva, M.K., A model for adsorption of O_2 on a Si surface and desorption of SiO at submonolayer coverages 254 (1991) 191
Korte, U., see Hetterich 254 (1991) L487
Krasilnikov, A.B., see Latyshev 254 (1991) 90
Kratzer, P. and W. Brenig, Highly excited molecules from Eley–Rideal reactions 254 (1991) 275

Lannin, J.S., see Fortner 254 (1991) 251
Larson, S.A. and L.L. Lauderback, The influence of surface defects on the O_2/Al(100) interaction 254 (1991) 161
Latyshev, A.V., A.B. Krasilnikov, A.L. Aseev, L.V. Sokolov and S.I. Stenin, Reflection electron microscopy study of clean Si(111) surface reconstruction during the $(7 \times 7) \Leftrightarrow (1 \times 1)$ phase transition 254 (1991) 90
Lauderback, L.L., see Larson 254 (1991) 161
Leibbrandt, G.W.R., see Wiegel 254 (1991) L428
Levasseur, A., see Gonbeau 254 (1991) 81
Levy Clement, C., see Mayer 254 (1991) L423
Li, Y.Z., D.J.W. Aastuen, J.M. Seo, U.S. Ayyala and J.H. Weaver, Ti overlayer growth on oxidized GaAs(110) versus Ti oxidation on physisorbed O_2 on GaAs(110) at 25 K 254 (1991) 201
Ligeon, M., see Bsiesy 254 (1991) 195
Lindsay, S.M., see Oden 254 (1991) L454
Lu, P. and D.J. Smith, Direct imaging of CdTe(001) surface reconstructions by high-resolution electron microscopy 254 (1991) 119
Lu, Y.-T. and H. Metiu, The effect of As on Al and Ga segregation during the codeposition of Al, Ga and As on a GaAs(100) surface: kinetic simulations 254 (1991) 209

Madey, T.E., see Joyce 254 (1991) 144
Makoshi, K., Effect of atom motion on metastable deexcitation spectroscopy 254 (1991) 281
Mannami, M., see Susuki 254 (1991) 97
Marlow, F., Second harmonic generation at metal surfaces: influence of surface charge 254 (1991) L493
Mayer, T., C. Pettenkofer, W. Jaegermann and C. Levy Clement, Simulation of semiconductor/electrolyte interfaces in UHV: X-ray induced reactions of Br_2 on InSe(0001) surfaces 254 (1991) L423
Menzel, D., see Bornemann 254 (1991) 105
Metiu, H., see Lu 254 (1991) 209
Meunier, G., see Gonbeau 254 (1991) 81
Meyer-Ehmsen, G., see Hetterich 254 (1991) L487
Mijoule, C. and V. Russier, Theoretical study of physisorption and chemisorption of hydrogen on Ag(111) from LSD calculations 254 (1991) 329

Moritz, W., see Over 254 (1991) L469
Muller, F., see Bsiesy 254 (1991) 195
Mullins, D.R., see Overbury 254 (1991) 45

Nadjo, L., see Keita 254 (1991) L443
Nagahara, L.A., see Oden 254 (1991) L454
Nakanishi, Y., see Higuchi 254 (1991) L465
Nassiopoulos, A.G., see Glezos 254 (1991) 309
Netzer, F.P., see Henle 254 (1991) 182
Nørskov, J.K., see Ditlevsen 254 (1991) 261

Oden, P.I., T. Thundat, L.A. Nagahara, S.M. Lindsay, G.B. Adams and O.F. Sankey, Superperiodic features observed on graphite under solution with scanning tunneling microscopy 254 (1991) L454
Oshima, C., see Itoh 254 (1991) L437
Ota, Y., see Yanagisawa 254 (1991) L433
Oura, K., K. Sumitomo, T. Kobayashi, T. Kinoshita, Y. Tanaka, F. Shoji and I. Katayama, Adsorption of H on Si(111)-$\sqrt{3} \times \sqrt{3}$-Ag: evidence for Ag(111) agglomerates formation 254 (1991) L460
Over, H., G. Kleinle, G. Ertl, W. Moritz, K.-H. Ernst, H. Wohlgemuth, K. Christmann and E. Schwarz, A LEED structural analysis of the Co(10$\bar{1}$0) surface 254 (1991) L469
Overbury, S.H., D.R. Mullins, M.T. Paffett and B.E. Koel, Surface structure determination of Sn deposited on Pt(111) by low energy alkali ion scattering 254 (1991) 45

Padowitz, D.F. and S.J. Sibener, Kinetics of hydrogen oxidation to water on the Rh(111) surface using multiple source modulated molecular beam techniques 254 (1991) 125
Paffett, M.T., see Simonson 254 (1991) 29
Paffett, M.T., see Overbury 254 (1991) 45
Pettenkofer, C., see Mayer 254 (1991) L423
Pfister-Guillouzo, G., see Gonbeau 254 (1991) 81
Phaneuf, R.J., see Jung 254 (1991) 235
Poon, H.C., see Holmberg 254 (1991) L475

Ramsey, M.G., see Henle 254 (1991) 182
Reifenberger, S.Mogren ad R., Field emission and photofield emission energy distributions from LaB_6 254 (1991) 169
Roberts, C.J., B. Hoffmann-Millack and W.S. Steer, Surface microfabrication of a gold surface in argon using scanning tunneling microscopy 254 (1991) L448
Romestain, R., see Bsiesy 254 (1991) 195
Rosenberg, N., M. Tholomier, E. Vicario and N. Doghmane, Comparison between two methods of Auger peaks determination: direct background removal and deconvolution 254 (1991) 289
Ruppender, H.-J., see Dowben 254 (1991) L482
Russier, V., see Mijoule 254 (1991) 329

Sanders, D.E. and A. E. DePristo, Metal/metal homo-epitaxy on fcc (001) surfaces: Is there transient mobility of adsorbed atoms? 254 (1991) 341
Sankey, O.F., see Oden 254 (1991) L454
Scherzer, B.M.U., see Glatzel 254 (1991) 58
Schwarz, E., see Over 254 (1991) L469
Seo, J.M., see Li 254 (1991) 201

Shoji, F., see Oura 254 (1991) L460
Sibener, S.J., see Padowitz 254 (1991) 125
Simonson, R.J., M.T. Paffett, M.E. Jones and B.E. Koel, A vibrational study of borazine adsorbed on Pt(111) and Au(111) surfaces 254 (1991) 29
Smith, D.J., see Lu 254 (1991) 119
Sokolov, L.V., see Latyshev 254 (1991) 90
Steer, W.S., see Roberts 254 (1991) L448
Steinrück, H.-P., see Bornemann 254 (1991) 105
Stenin, S.I., see Latyshev 254 (1991) 90
Sumitomo, K., see Oura 254 (1991) L460
Susuki, Y., T. Baba, S. Fukui and M. Mannami, Secondary electron emission from clean PbSe/SnTe crystals under 15–65 keV Li^+, Na^+ and K^+ ion bombardment 254 (1991) 97

Taglauer, E., see Van Wyk 254 (1991) 73
Tanaka, Y., see Oura 254 (1991) L460
Tholomier, M., see Rosenberg 254 (1991) 289
Thundat, T., see Oden 254 (1991) L454
Tran Minh Duc, see Holmberg 254 (1991) L475

Van Leerdam, G.C. and H.H. Brongersma, Shielding effects in oxides studied by low-energy ion scattering 254 (1991) 153
Van Wyk, G.N., J. du Plessis and E. Taglauer, Sputtering and radiation-enhanced segregation in amorphous Cu–Ti alloys 254 (1991) 73
Vannice, M.A., W. Erley and H. Ibach, A RAIRS and HREELS study of acetone on Pt(111) 254 (1991) 1
Vannice, M.A., W. Erley and H. Ibach, A RAIRS and HREELS study of isopropyl alcohol on Pt(111) 254 (1991) 12
Veshchunov, M.S., On the abrupt neutralization of adsorbed atoms 254 (1991) L491
Vial, J.C., see Bsiesy 254 (1991) 195
Vicario, E., see Rosenberg 254 (1991) 289

Wang, G.-C., see He 254 (1991) 21
Wasiela, A., see Bsiesy 254 (1991) 195
Weaver, J.H., see Li 254 (1991) 201
Wiegel, M., A.R. Balkenende, O.L.J. Gijzeman, G.W.R. Leibbrandt and F.H.P.M. Habraken, Absolute oxygen chemisorption saturation coverages for Cu single crystal surfaces 254 (1991) L428
Williams, E.D., see Jung 254 (1991) 235
Wohlgemuth, H., see Over 254 (1991) L469

Yanagisawa, Y. and Y. Ota, Thermal and photo-stimulated desorption of chemisorbed oxygen molecules from titanium dioxide surfaces 254 (1991) L433
Yarmoff, J.A., see Joyce 254 (1991) 144
Yu, J. and A.B. Anderson, Adsorption of H, CO, CH_2, CH_3, and C_2H_4 on MoC. Molecular orbital theory 254 (1991) 320

Zuo, J.-K., see He 254 (1991) 21

Surface Science 254 (1991) 359–369
North-Holland

Subject index

Alkali metals
M.S. Veshchunov, On the abrupt neutralization of adsorbed atoms 254 (1991) L491
T. Bornemann, H.-P. Steinrück, W. Huber, K. Eberle, M. Glanz and D. Menzel, The adsorption of H_2O on K precovered Ni(111) studied by ARUPS and TPD 254 (1991) 105

Alloys
G.N. van Wyk, J. du Plessis and E. Taglauer, Sputtering and radiation-enhanced segregation in amorphous Cu–Ti alloys 254 (1991) 73

Aluminium
S.A. Larson and L.L. Lauderback, The influence of surface defects on the O_2/Al(100) interaction 254 (1991) 161
Y.-T. Lu and H. Metiu, The effect of As on Al and Ga segregation during the codeposition of Al, Ga and As on a GaAs(100) surface: kinetic simulations 254 (1991) 209
P.D. Ditlevsen and J.K. Nørskov, Vibrational properties of aluminum, nickel and copper surfaces 254 (1991) 261

Aluminium oxide
G.C. van Leerdam and H.H. Brongersma, Shielding effects in oxides studied by low-energy ion scattering 254 (1991) 153

Arsenic
Y.-T. Lu and H. Metiu, The effect of As on Al and Ga segregation during the codeposition of Al, Ga and As on a GaAs(100) surface: kinetic simulations 254 (1991) 209

Atomic and molecular beam studies
D.F. Padowitz and S.J. Sibener, Kinetics of hydrogen oxidation to water on the Rh(111) surface using multiple source modulated molecular beam techniques 254 (1991) 125
D.A. Hansen and J.B. Hudson, Oxygen scattering and initial chemisorption probability on Ge(100) 254 (1991) 222

Auger electron spectroscopy
W. Hetterich, U. Korte, G. Meyer-Ehmsen and W. Heiland, A contribution to the $(1 \times n)$ reconstructions of the Ir(110) surface 254 (1991) L487
H. Glatzel, Th. Fauster, B.M.U. Scherzer and V. Dose, Bilayer growth in a metallic system: Fe on Cu(100) 254 (1991) 58
S.A. Larson and L.L. Lauderback, The influence of surface defects on the O_2/Al(100) interaction 254 (1991) 161
W.A. Henle, M.G. Ramsey, F.P. Netzer and K. Horn, Formation of divalent Eu silicides at the Eu–Si(111) interface 254 (1991) 182

Elsevier Science Publishers B.V. (North-Holland)

N. Rosenberg, M. Tholomier, E. Vicario and N. Doghmane, Comparison between two methods of Auger peaks determination: direct background removal and deconvolution 254 (1991) 289

N.M. Glezos and A.G. Nassiopoulos, Lateral resolution of Auger electron spectroscopy in the energy range 5–100 keV. Thin overlayers on a high-Z material substrate 254 (1991) 309

Borides

S. Mogren ad R. Reifenberger, Field emission and photofield emission energy distributions from LaB_6 254 (1991) 169

Cadmium telluride

P. Lu and D.J. Smith, Direct imaging of CdTe(001) surface reconstructions by high-resolution electron microscopy 254 (1991) 119

Carbides

J. Yu and A.B. Anderson, Adsorption of H, CO, CH_2, CH_3, and C_2H_4 on MoC. Molecular orbital theory 254 (1991) 320

Carbon monoxide

J. Yu and A.B. Anderson, Adsorption of H, CO, CH_2, CH_3, and C_2H_4 on MoC. Molecular orbital theory 254 (1991) 320

Chalcogens

T. Mayer, C. Pettenkofer, W. Jaegermann and C. Levy Clement, Simulation of semiconductor/electrolyte interfaces in UHV: X-ray induced reactions of Br_2 on InSe(0001) surfaces 254 (1991) L423

Y. Susuki, T. Baba, S. Fukui and M. Mannami, Secondary electron emission from clean PbSe/SnTe crystals under 15–65 keV Li^+, Na^+ and K^+ ion bombardment 254 (1991) 97

Chemisorption theory

P. Kratzer and W. Brenig, Highly excited molecules from Eley–Rideal reactions 254 (1991) 275

I. Jäger, Adsorption of pairwise interacting atoms: on the derivation of the interaction parameters between first and second neighbors from experimental data 254 (1991) 300

J. Yu and A.B. Anderson, Adsorption of H, CO, CH_2, CH_3, and C_2H_4 on MoC. Molecular orbital theory 254 (1991) 320

C. Mijoule and V. Russier, Theoretical study of physisorption and chemisorption of hydrogen on Ag(111) from LSD calculations 254 (1991) 329

Chromium

P.A. Dowben, H.-J. Ruppender and M. Grunze, Molecular nitrogen adsorption on Cr(110) 254 (1991) L482

Clusters

J. Fortner and J.S. Lannin, Chemisorption effects on the dynamics of Ge clusters and ultrathin films 254 (1991) 251

Cobalt

H. Over, G. Kleinle, G. Ertl, W. Moritz, K.-H. Ernst, H. Wohlgemuth, K. Christmann and E. Schwarz, A LEED structural analysis of the Co($10\bar{1}0$) surface 254 (1991) L469

Copper
M. Wiegel, A.R. Balkenende, O.L.J. Gijzeman, G.W.R. Leibbrandt and F.H.P.M. Habraken, Absolute oxygen chemisorption saturation coverages for Cu single crystal surfaces 254 (1991) L428
H. Glatzel, Th. Fauster, B.M.U. Scherzer and V. Dose, Bilayer growth in a metallic system: Fe on Cu(100) 254 (1991) 58
A. Atrei, A.L. Johnson and D.A. King, Sulphur adsorption on Cu{110}: a SEXAFS study 254 (1991) 65
P.D. Ditlevsen and J.K. Nørskov, Vibrational properties of aluminum, nickel and copper surfaces 254 (1991) 261

Electron diffraction, see also Low energy electron diffraction
S. Higuchi and Y. Nakanishi, The growth of Ge on a Te/Si(001) surface: surface catalytic epitaxy 254 (1991) L465
S. Holmberg, H.C. Poon, Y. Jugnet, G. Grenet and Tran Minh Duc, X-ray photoelectron diffraction as a tool for clean surface crystallography studies: the Pt(110)(2×1) reconstruction 254 (1991) L475
W. Hetterich, U. Korte, G. Meyer-Ehmsen and W. Heiland, A contribution to the $(1 \times n)$ reconstructions of the Ir(110) surface 254 (1991) L487

Electron emission
Y. Susuki, T. Baba, S. Fukui and M. Mannami, Secondary electron emission from clean PbSe/SnTe crystals under 15–65 keV Li^+, Na^+ and K^+ ion bombardment 254 (1991) 97
K. Makoshi, Effect of atom motion on metastable deexcitation spectroscopy 254 (1991) 281

Electron energy loss spectroscopy
M.A. Vannice, W. Erley and H. Ibach, A RAIRS and HREELS study of acetone on Pt(111) 254 (1991) 1
M.A. Vannice, W. Erley and H. Ibach, A RAIRS and HREELS study of isopropyl alcohol on Pt(111) 254 (1991) 12
R.J. Simonson, M.T. Paffett, M.E. Jones and B.E. Koel, A vibrational study of borazine adsorbed on Pt(111) and Au(111) surfaces 254 (1991) 29

Electron microscopy
S. Higuchi and Y. Nakanishi, The growth of Ge on a Te/Si(001) surface: surface catalytic epitaxy 254 (1991) L465
A.V. Latyshev, A.B. Krasilnikov, A.L. Aseev, L.V. Sokolov and S.I. Stenin, Reflection electron microscopy study of clean Si(111) surface reconstruction during the $(7 \times 7) \Leftrightarrow (1 \times 1)$ phase transition 254 (1991) 90
P. Lu and D.J. Smith, Direct imaging of CdTe(001) surface reconstructions by high-resolution electron microscopy 254 (1991) 119

Ellipsometry
M. Wiegel, A.R. Balkenende, O.L.J. Gijzeman, G.W.R. Leibbrandt and F.H.P.M. Habraken, Absolute oxygen chemisorption saturation coverages for Cu single crystal surfaces 254 (1991) L428
A.V. Latyshev, A.B. Krasilnikov, A.L. Aseev, L.V. Sokolov and S.I. Stenin, Reflection electron microscopy study of clean Si(111) surface reconstruction during the $(7 \times 7) \Leftrightarrow (1 \times 1)$ phase transition 254 (1991) 90

Epitaxy
H. Itoh, T. Ichinose, C. Oshima, T. Ichinokawa and T. Aizawa, Scanning tunneling microscopy of monolayer graphite epitaxially grown on a TiC(111) surface 254 (1991) L437
D.E. Sanders and A.E. DePristo, Metal/metal homo-epitaxy on fcc (001) surfaces: Is there transient mobility of adsorbed atoms? 254 (1991) 341

Ethylene
J. Yu and A.B. Anderson, Adsorption of H, CO, CH_2, CH_3, and C_2H_4 on MoC. Molecular orbital theory 254 (1991) 320

Field emission
S. Mogren ad R. Reifenberger, Field emission and photofield emission energy distributions from LaB_6 254 (1991) 169

Gallium
Y.-T. Lu and H. Metiu, The effect of As on Al and Ga segregation during the codeposition of Al, Ga and As on a GaAs(100) surface: kinetic simulations 254 (1991) 209

Gallium arsenide
Y.Z. Li, D.J.W. Aastuen, J.M. Seo, U.S. Ayyala and J.H. Weaver, Ti overlayer growth on oxidized GaAs(110) versus Ti oxidation on physisorbed O_2 on GaAs(110) at 25 K 254 (1991) 201
Y.-T. Lu and H. Metiu, The effect of As on Al and Ga segregation during the codeposition of Al, Ga and As on a GaAs(100) surface: kinetic simulations 254 (1991) 209

Germanium
S. Higuchi and Y. Nakanishi, The growth of Ge on a Te/Si(001) surface: surface catalytic epitaxy 254 (1991) L465
D.A. Hansen and J.B. Hudson, Oxygen scattering and initial chemisorption probability on Ge(100) 254 (1991) 222
T.M. Jung, R.J. Phaneuf and E.D. Williams, Step structure and surface reconstruction on vicinal Ge(111) surfaces 254 (1991) 235
J. Fortner and J.S. Lannin, Chemisorption effects on the dynamics of Ge clusters and ultrathin films 254 (1991) 251

Gold
C.J. Roberts, B. Hoffmann-Millack and W.S. Steer, Surface microfabrication of a gold surface in argon using scanning tunneling microscopy 254 (1991) L448
R.J. Simonson, M.T. Paffett, M.E. Jones and B.E. Koel, A vibrational study of borazine adsorbed on Pt(111) and Au(111) surfaces 254 (1991) 29

Graphite
H. Itoh, T. Ichinose, C. Oshima, T. Ichinokawa and T. Aizawa, Scanning tunneling microscopy of monolayer graphite epitaxially grown on a TiC(111) surface 254 (1991) L437
P.I. Oden, T. Thundat, L.A. Nagahara, S.M. Lindsay, G.B. Adams and O.F. Sankey, Superperiodic features observed on graphite under solution with scanning tunneling microscopy 254 (1991) L454

Halogens
T. Mayer, C. Pettenkofer, W. Jaegermann and C. Levy Clement, Simulation of semiconductor/electrolyte interfaces in UHV: X-ray induced reactions of Br_2 on InSe(0001) surfaces 254 (1991) L423

Hydrogen
K. Oura, K. Sumitomo, T. Kobayashi, T. Kinoshita, Y. Tanaka, F. Shoji and I. Katayama, Adsorption of H on Si(111)-$\sqrt{3} \times \sqrt{3}$-Ag: evidence for Ag(111) agglomerates formation 254 (1991) L460
T. Bornemann, H.-P. Steinrück, W. Huber, K. Eberle, M. Glanz and D. Menzel, The adsorption of H_2O on K precovered Ni(111) studied by ARUPS and TPD 254 (1991) 105
D.F. Padowitz and S.J. Sibener, Kinetics of hydrogen oxidation to water on the Rh(111) surface using multiple source modulated molecular beam techniques 254 (1991) 125
P. Kratzer and W. Brenig, Highly excited molecules from Eley–Rideal reactions 254 (1991) 275
J. Yu and A.B. Anderson, Adsorption of H, CO, CH_2, CH_3, and C_2H_4 on MoC. Molecular orbital theory 254 (1991) 320
C. Mijoule and V. Russier, Theoretical study of physisorption and chemisorption of hydrogen on Ag(111) from LSD calculations 254 (1991) 329

Infrared spectroscopy
M.A. Vannice, W. Erley and H. Ibach, A RAIRS and HREELS study of acetone on Pt(111) 254 (1991) 1
M.A. Vannice, W. Erley and H. Ibach, A RAIRS and HREELS study of isopropyl alcohol on Pt(111) 254 (1991) 12

Inorganic compounds
B. Keita and L. Nadjo, High resolution scanning tunneling microscopy imaging of tungstophosphoric acid 254 (1991) L443
R.J. Simonson, M.T. Paffett, M.E. Jones and B.E. Koel, A vibrational study of borazine adsorbed on Pt(111) and Au(111) surfaces 254 (1991) 29
S.A. Joyce, J.A. Yarmoff and T.E. Madey, Radiation damage in an adsorbed monolayer: PF_3 on Ru(0001) 254 (1991) 144

Ion bombardment
Y. Susuki, T. Baba, S. Fukui and M. Mannami, Secondary electron emission from clean PbSe/SnTe crystals under 15–65 keV Li^+, Na^+ and K^+ ion bombardment 254 (1991) 97

Ion scattering
K. Oura, K. Sumitomo, T. Kobayashi, T. Kinoshita, Y. Tanaka, F. Shoji and I. Katayama, Adsorption of H on Si(111)-$\sqrt{3} \times \sqrt{3}$-Ag: evidence for Ag(111) agglomerates formation 254 (1991) L460
S.H. Overbury, D.R. Mullins, M.T. Paffett and B.E. Koel, Surface structure determination of Sn deposited on Pt(111) by low energy alkali ion scattering 254 (1991) 45
H. Glatzel, Th. Fauster, B.M.U. Scherzer and V. Dose, Bilayer growth in a metallic system: Fe on Cu(100) 254 (1991) 58
G.C. van Leerdam and H.H. Brongersma, Shielding effects in oxides studied by low-energy ion scattering 254 (1991) 153

Iridium
W. Hetterich, U. Korte, G. Meyer-Ehmsen and W. Heiland, A contribution to the $(1 \times n)$ reconstructions of the Ir(110) surface 254 (1991) L487

Iron
H. Glatzel, Th. Fauster, B.M.U. Scherzer and V. Dose, Bilayer growth in a metallic system: Fe on Cu(100) 254 (1991) 58

Low energy electron diffraction
H. Over, G. Kleinle, G. Ertl, W. Moritz, K.-H. Ernst, H. Wohlgemuth, K. Christmann and E. Schwarz, A LEED structural analysis of the Co(10$\bar{1}$0) surface 254 (1991) L469
Y.-L. He, J.-K. Zuo and G.-C. Wang, High resolution LEED studies of surface misorientation and incommensurate domain walls on reconstructed Pt(110) surface 254 (1991) 21
T.M. Jung, R.J. Phaneuf and E.D. Williams, Step structure and surface reconstruction on vicinal Ge(111) surfaces 254 (1991) 235

Luminescence
A. Bsiesy, J.C. Vial, F. Gaspard, R. Herino, M. Ligeon, F. Muller, R. Romestain, A. Wasiela, A. Halimaoui and G. Bomchil, Photoluminescence of high porosity and of electrochemically oxidized porous silicon layers 254 (1991) 195

Molecular beam epitaxy
Y.-T. Lu and H. Metiu, The effect of As on Al and Ga segregation during the codeposition of Al, Ga and As on a GaAs(100) surface: kinetic simulations 254 (1991) 209

Nickel
T. Bornemann, H.-P. Steinrück, W. Huber, K. Eberle, M. Glanz and D. Menzel, The adsorption of H_2O on K precovered Ni(111) studied by ARUPS and TPD 254 (1991) 105
P.D. Ditlevsen and J.K. Nørskov, Vibrational properties of aluminum, nickel and copper surfaces 254 (1991) 261

Nitrogen
P.A. Dowben, H.-J. Ruppender and M. Grunze, Molecular nitrogen adsorption on Cr(110) 254 (1991) L482

Organic substances
M.A. Vannice, W. Erley and H. Ibach, A RAIRS and HREELS study of acetone on Pt(111) 254 (1991) 1
M.A. Vannice, W. Erley and H. Ibach, A RAIRS and HREELS study of isopropyl alcohol on Pt(111) 254 (1991) 12

Oxides
D. Gonbeau, C. Guimon, G. Pfister-Guillouzo, A. Levasseur, G. Meunier and R. Dormoy, XPS study of thin films of titanium oxysulfides 254 (1991) 81

Oxygen
M. Wiegel, A.R. Balkenende, O.L.J. Gijzeman, G.W.R. Leibbrandt and F.H.P.M. Habraken, Absolute oxygen chemisorption saturation coverages for Cu single crystal surfaces 254 (1991) L428
Y. Yanagisawa and Y. Ota, Thermal and photo-stimulated desorption of chemisorbed oxygen molecules from titanium dioxide surfaces 254 (1991) L433
D.F. Padowitz and S.J. Sibener, Kinetics of hydrogen oxidation to water on the Rh(111) surface using multiple source modulated molecular beam techniques 254 (1991) 125
S.A. Larson and L.L. Lauderback, The influence of surface defects on the O_2/Al(100) interaction 254 (1991) 161
M.K. Koleva, A model for adsorption of O_2 on a Si surface and desorption of SiO at submonolayer coverages 254 (1991) 191

Y.Z. Li, D.J.W. Aastuen, J.M. Seo, U.S. Ayyala and J.H. Weaver, Ti overlayer growth on oxidized GaAs(110) versus Ti oxidation on physisorbed O_2 on GaAs(110) at 25 K 254 (1991) 201
D.A. Hansen and J.B. Hudson, Oxygen scattering and initial chemisorption probability on Ge(100) 254 (1991) 222

Photodesorption
Y. Yanagisawa and Y. Ota, Thermal and photo-stimulated desorption of chemisorbed oxygen molecules from titanium dioxide surfaces 254 (1991) L433
S.A. Joyce, J.A. Yarmoff and T.E. Madey, Radiation damage in an adsorbed monolayer: PF_3 on Ru(0001) 254 (1991) 144

Photoelectron spectroscopy
T. Mayer, C. Pettenkofer, W. Jaegermann and C. Levy Clement, Simulation of semiconductor/electrolyte interfaces in UHV: X-ray induced reactions of Br_2 on InSe(0001) surfaces 254 (1991) L423
R.J. Simonson, M.T. Paffett, M.E. Jones and B.E. Koel, A vibrational study of borazine adsorbed on Pt(111) and Au(111) surfaces 254 (1991) 29
D. Gonbeau, C. Guimon, G. Pfister-Guillouzo, A. Levasseur, G. Meunier and R. Dormoy, XPS study of thin films of titanium oxysulfides 254 (1991) 81
T. Bornemann, H.-P. Steinrück, W. Huber, K. Eberle, M. Glanz and D. Menzel, The adsorption of H_2O on K precovered Ni(111) studied by ARUPS and TPD 254 (1991) 105
S.A. Joyce, J.A. Yarmoff and T.E. Madey, Radiation damage in an adsorbed monolayer: PF_3 on Ru(0001) 254 (1991) 144
W.A. Henle, M.G. Ramsey, F.P. Netzer and K. Horn, Formation of divalent Eu silicides at the Eu–Si(111) interface 254 (1991) 182
Y.Z. Li, D.J.W. Aastuen, J.M. Seo, U.S. Ayyala and J.H. Weaver, Ti overlayer growth on oxidized GaAs(110) versus Ti oxidation on physisorbed O_2 on GaAs(110) at 25 K 254 (1991) 201

Platinum
S. Holmberg, H.C. Poon, Y. Jugnet, G. Grenet and Tran Minh Duc, X-ray photoelectron diffraction as a tool for clean surface crystallography studies: the Pt(110)(2 × 1) reconstruction 254 (1991) L475
M.A. Vannice, W. Erley and H. Ibach, A RAIRS and HREELS study of acetone on Pt(111) 254 (1991) 1
M.A. Vannice, W. Erley and H. Ibach, A RAIRS and HREELS study of isopropyl alcohol on Pt(111) 254 (1991) 12
Y.-L. He, J.-K. Zuo and G.-C. Wang, High resolution LEED studies of surface misorientation and incommensurate domain walls on reconstructed Pt(110) surface 254 (1991) 21
R.J. Simonson, M.T. Paffett, M.E. Jones and B.E. Koel, A vibrational study of borazine adsorbed on Pt(111) and Au(111) surfaces 254 (1991) 29
S.H. Overbury, D.R. Mullins, M.T. Paffett and B.E. Koel, Surface structure determination of Sn deposited on Pt(111) by low energy alkali ion scattering 254 (1991) 45

Raman scattering
J. Fortner and J.S. Lannin, Chemisorption effects on the dynamics of Ge clusters and ultrathin films 254 (1991) 251

Ruthenium
D.F. Padowitz and S.J. Sibener, Kinetics of hydrogen oxidation to water on the Rh(111) surface using multiple source modulated molecular beam techniques 254 (1991) 125
S.A. Joyce, J.A. Yarmoff and T.E. Madey, Radiation damage in an adsorbed monolayer: PF_3 on Ru(0001) 254 (1991) 144

Second harmonic generation
F. Marlow, Second harmonic generation at metal surfaces: influence of surface charge 254 (1991) L493

Secondary ion mass spectroscopy
S.A. Larson and L.L. Lauderback, The influence of surface defects on the O_2/Al(100) interaction 254 (1991) 161

Silicides
W.A. Henle, M.G. Ramsey, F.P. Netzer and K. Horn, Formation of divalent Eu silicides at the Eu–Si(111) interface 254 (1991) 182

Silicon
K. Oura, K. Sumitomo, T. Kobayashi, T. Kinoshita, Y. Tanaka, F. Shoji and I. Katayama, Adsorption of H on Si(111)-$\sqrt{3} \times \sqrt{3}$-Ag: evidence for Ag(111) agglomerates formation 254 (1991) L460
S. Higuchi and Y. Nakanishi, The growth of Ge on a Te/Si(001) surface: surface catalytic epitaxy 254 (1991) L465
A.V. Latyshev, A.B. Krasilnikov, A.L. Aseev, L.V. Sokolov and S.I. Stenin, Reflection electron microscopy study of clean Si(111) surface reconstruction during the $(7 \times 7) \Leftrightarrow (1 \times 1)$ phase transition 254 (1991) 90
M.K. Koleva, A model for adsorption of O_2 on a Si surface and desorption of SiO at submonolayer coverages 254 (1991) 191
A. Bsiesy, J.C. Vial, F. Gaspard, R. Herino, M. Ligeon, F. Muller, R. Romestain, A. Wasiela, A. Halimaoui and G. Bomchil, Photoluminescence of high porosity and of electrochemically oxidized porous silicon layers 254 (1991) 195

Silicon oxide
G.C. van Leerdam and H.H. Brongersma, Shielding effects in oxides studied by low-energy ion scattering 254 (1991) 153

Silver
K. Oura, K. Sumitomo, T. Kobayashi, T. Kinoshita, Y. Tanaka, F. Shoji and I. Katayama, Adsorption of H on Si(111)-$\sqrt{3} \times \sqrt{3}$-Ag: evidence for Ag(111) agglomerates formation 254 (1991) L460
M.S. Veshchunov, On the abrupt neutralization of adsorbed atoms 254 (1991) L491
N. Rosenberg, M. Tholomier, E. Vicario and N. Doghmane, Comparison between two methods of Auger peaks determination: direct background removal and deconvolution 254 (1991) 289
C. Mijoule and V. Russier, Theoretical study of physisorption and chemisorption of hydrogen on Ag(111) from LSD calculations 254 (1991) 329

Solid–electrolyte interface
A. Bsiesy, J.C. Vial, F. Gaspard, R. Herino, M. Ligeon, F. Muller, R. Romestain, A. Wasiela, A. Halimaoui and G. Bomchil, Photoluminescence of high porosity and of electrochemically oxidized porous silicon layers 254 (1991) 195

Sputtering
G.N. van Wyk, J. du Plessis and E. Taglauer, Sputtering and radiation-enhanced segregation in amorphous Cu–Ti alloys 254 (1991) 73

Sulphides
D. Gonbeau, C. Guimon, G. Pfister-Guillouzo, A. Levasseur, G. Meunier and R. Dormoy, XPS study of thin films of titanium oxysulfides 254 (1991) 81

Sulphur
A. Atrei, A.L. Johnson and D.A. King, Sulphur adsorption on Cu{110}: a SEXAFS study 254 (1991) 65

Surface defects
S.A. Larson and L.L. Lauderback, The influence of surface defects on the O_2/Al(100) interaction 254 (1991) 161

Surface diffusion
D.E. Sanders and A.E. DePristo, Metal/metal homo-epitaxy on fcc (001) surfaces: Is there transient mobility of adsorbed atoms? 254 (1991) 341

Surface phonons and adsorbate vibrations
P.D. Ditlevsen and J.K. Nørskov, Vibrational properties of aluminum, nickel and copper surfaces 254 (1991) 261

Surface photovoltage
T. Mayer, C. Pettenkofer, W. Jaegermann and C. Levy Clement, Simulation of semiconductor/electrolyte interfaces in UHV: X-ray induced reactions of Br_2 on InSe(0001) surfaces 254 (1991) L423

Surface segregation
G.N. van Wyk, J. du Plessis and E. Taglauer, Sputtering and radiation-enhanced segregation in amorphous Cu–Ti alloys 254 (1991) 73

Surface structure, see also Low energy electron diffraction
H. Over, G. Kleinle, G. Ertl, W. Moritz, K.-H. Ernst, H. Wohlgemuth, K. Christmann and E. Schwarz, A LEED structural analysis of the Co(10$\bar{1}$0) surface 254 (1991) L469
S. Holmberg, H.C. Poon, Y. Jugnet, G. Grenet and Tran Minh Duc, X-ray photoelectron diffraction as a tool for clean surface crystallography studies: the Pt(110)(2 × 1) reconstruction 254 (1991) L475
W. Hetterich, U. Korte, G. Meyer-Ehmsen and W. Heiland, A contribution to the (1 × n) reconstructions of the Ir(110) surface 254 (1991) L487
Y.-L. He, J.-K. Zuo and G.-C. Wang, High resolution LEED studies of surface misorientation and incommensurate domain walls on reconstructed Pt(110) surface 254 (1991) 21
A. Atrei, A.L. Johnson and D.A. King, Sulphur adsorption on Cu{110}: a SEXAFS study 254 (1991) 65
P. Lu and D.J. Smith, Direct imaging of CdTe(001) surface reconstructions by high-resolution electron microscopy 254 (1991) 119

T.M. Jung, R.J. Phaneuf and E.D. Williams, Step structure and surface reconstruction on vicinal Ge(111) surfaces 254 (1991) 235

Surface thermodynamics
I. Jäger, Adsorption of pairwise interacting atoms: on the derivation of the interaction parameters between first and second neighbors from experimental data 254 (1991) 300

Tellurium
S. Higuchi and Y. Nakanishi, The growth of Ge on a Te/Si(001) surface: surface catalytic epitaxy 254 (1991) L465

Thermal desorption
Y. Yanagisawa and Y. Ota, Thermal and photo-stimulated desorption of chemisorbed oxygen molecules from titanium dioxide surfaces 254 (1991) L433
P.A. Dowben, H.-J. Ruppender and M. Grunze, Molecular nitrogen adsorption on Cr(110) 254 (1991) L482
M.A. Vannice, W. Erley and H. Ibach, A RAIRS and HREELS study of isopropyl alcohol on Pt(111) 254 (1991) 12
R.J. Simonson, M.T. Paffett, M.E. Jones and B.E. Koel, A vibrational study of borazine adsorbed on Pt(111) and Au(111) surfaces 254 (1991) 29
T. Bornemann, H.-P. Steinrück, W. Huber, K. Eberle, M. Glanz and D. Menzel, The adsorption of H_2O on K precovered Ni(111) studied by ARUPS and TPD 254 (1991) 105
M.K. Koleva, A model for adsorption of O_2 on a Si surface and desorption of SiO at submonolayer coverages 254 (1991) 191

Tin
S.H. Overbury, D.R. Mullins, M.T. Paffett and B.E. Koel, Surface structure determination of Sn deposited on Pt(111) by low energy alkali ion scattering 254 (1991) 45

Titanium
Y.Z. Li, D.J.W. Aastuen, J.M. Seo, U.S. Ayyala and J.H. Weaver, Ti overlayer growth on oxidized GaAs(110) versus Ti oxidation on physisorbed O_2 on GaAs(110) at 25 K 254 (1991) 201

Titanium carbide
H. Itoh, T. Ichinose, C. Oshima, T. Ichinokawa and T. Aizawa, Scanning tunneling microscopy of monolayer graphite epitaxially grown on a TiC(111) surface 254 (1991) L437

Titanium oxide
Y. Yanagisawa and Y. Ota, Thermal and photo-stimulated desorption of chemisorbed oxygen molecules from titanium dioxide surfaces 254 (1991) L433

Tungsten
P. Kratzer and W. Brenig, Highly excited molecules from Eley–Rideal reactions 254 (1991) 275

Tunneling
H. Itoh, T. Ichinose, C. Oshima, T. Ichinokawa and T. Aizawa, Scanning tunneling microscopy of monolayer graphite epitaxially grown on a TiC(111) surface 254 (1991) L437
B. Keita and L. Nadjo, High resolution scanning tunneling microscopy imaging of tungstophosphoric acid 254 (1991) L443

C.J. Roberts, B. Hoffmann-Millack and W.S. Steer, Surface microfabrication of a gold surface in argon using scanning tunneling microscopy 254 (1991) L448

P.I. Oden, T. Thundat, L.A. Nagahara, S.M. Lindsay, G.B. Adams and O.F. Sankey, Superperiodic features observed on graphite under solution with scanning tunneling microscopy 254 (1991) L454

Work function

T. Bornemann, H.-P. Steinrück, W. Huber, K. Eberle, M. Glanz and D. Menzel, The adsorption of H_2O on K precovered Ni(111) studied by ARUPS and TPD 254 (1991) 105

X-ray absorption

A. Atrei, A.L. Johnson and D.A. King, Sulphur adsorption on Cu{110}: a SEXAFS study 254 (1991) 65

Zinc oxide

G.C. van Leerdam and H.H. Brongersma, Shielding effects in oxides studied by low-energy ion scattering 254 (1991) 153